



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6
HOUSTON BRANCH
10625 FALLSTONE RD.
HOUSTON, TEXAS 77099

Ref. Case No. SAS 6970F

Site Name Gulton Ind.

Date: 3 / 24 / 92

Subject: CLP Data Review

From: Michael L. Daggett, Chief, Organic Lab Section; 6E-HL

To: L. Ross, 6H-MA

A review of the laboratory raw data for the reference site has been completed by members of the Laboratory Section.

Samples were:

INORGANIC:	<u>SF1306</u>	<u>SF1317</u>		
	<u>1307</u>	<u>1318</u>		
	<u>1309</u>	<u>1319</u>		
	<u>1315</u>			
	<u>1316</u>			
ORGANIC:				

The data was found:

- () Acceptable
- (X) Provisional; use of data requires caution. Problems are noted in Review Summary.
- () Unacceptable; data should not be used. Problems are noted in Review Summary.

Questions regarding the review can be addressed to me.

Attachments

cc: Mahmoud El-Feky, 6E-HL
Mike Hiatt, EMSL/Las Vegas

90067494





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
HOUSTON BRANCH
10625 FALLSTONE RD.
HOUSTON, TEXAS 77099

MEMORANDUM

Date: 3-14-1992

Subject: CLP Data Review

From: Mahmoud El-Feky, 6E-HO, Region 6

To: Michael Daggett, Chief, Organic Section, Houston
Branch, Region 6

Attached is the data review summary for Case # SAS 6970
SDG # SF1306
Site GULTON INDUSTRIES

Data was found: () Acceptable
(X) Provisional
() Unacceptable

Action required by TPO: () Yes
(X) No

COMMENTS:

**MANTECH ENVIRONMENTAL TECHNOLOGY, INC.
ESAT REGION VI
c/o U.S. ENVIRONMENTAL PROTECTION AGENCY
10625 FALLSTONE ROAD
HOUSTON, TEXAS 77099**

MEMORANDUM

Date: March 23, 1992

To: Mahmoud E. El-Feky, Chemist, 6E-HO, Region VI

From: Youree Holloway, *YH* ESAT, Region VI

Thru: Bill Blanton, ETM, ESAT, Region VI

Subject: CLP Data Review

Attached is the data review summary for Case # SAS6970F
SDG # SF1306
Site Gulton Industries

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION VI
HOUSTON BRANCH
10625 FALLSTONE ROAD
HOUSTON, TEXAS 77099

INORGANIC REGIONAL DATA ASSESSMENT

CASE NO. SAS6970F
LABORATORY Keystone/NEA (OR)
CONTRACT # SAS6970F
SDG # SF1306
SOW # 3/90
TPO: ACTION FYI X

SITE Gulton Industries
NO. OF SAMPLES/
MATRIX 8/waters
REVIEWER (IF NOT ESD) ESAT
REVIEWER'S NAME Youree Holloway
COMPLETION DATE March 23, 1992
ACCT # 2TGBDN81 SF # TGBUZZ

SAMPLE NO.: SF1306, SF1307, SF1309, SF1315, SF1316, SF1317,
SF1318, SF1319

DATA ASSESSMENT SUMMARY

	ICP	ALK	IC	F	TDS
1. HOLDING TIMES	<u>O</u>	<u>O</u>	<u>O</u>	<u>O</u>	<u>O</u>
2. CALIBRATIONS	<u>O</u>	<u>O</u>	<u>O</u>	<u>O</u>	<u>O</u>
3. BLANKS	<u>X</u>	<u>O</u>	<u>O</u>	<u>O</u>	<u>O</u>
4. ICS	<u>O</u>				
5. LCS	<u>O</u>	<u>O</u>	<u>O</u>	<u>O</u>	<u>O</u>
6. DUPLICATE ANALYSIS	<u>O</u>	<u>O</u>	<u>O</u>	<u>O</u>	<u>O</u>
7. MATRIX SPIKE	<u>O</u>	<u>O</u>	<u>O</u>	<u>O</u>	<u>O</u>
8. MSA					
9. SERIAL DILUTION	<u>O</u>				
10. SAMPLE VERIFICATION	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>O</u>
11. OTHER QC	<u>O</u>	<u>X</u>	<u>O</u>	<u>O</u>	<u>O</u>
12. OVERALL ASSESSMENT	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>O</u>

O = Data had no problems/or qualified due to minor problems.

M = Data qualified due to major problems.

Z = Data unacceptable.

X = Problems, but do not affect data.

N/A = Not applicable

ACTION ITEMS: Blank concentrations were above the instrument detection limits.

AREAS OF CONCERN:

NOTABLE PERFORMANCE: Duplicate and serial dilution differences met technical quality control criteria. Matrix spike recoveries were within limits. Case narrative was well written and informative.

**INORGANIC QA REVIEW
CONTINUATION PAGE**

Case SAS6970F SDG SF1306 Site Gulton Ind. Lab Keystone/NEA (OR)

Comments: Eight water samples were analyzed at low concentrations for chloride, nitrate, sulfate, fluoride, alkalinity, calcium, magnesium, potassium, sodium, and TDS. The data package is provisional because blank concentrations were above the instrument detection limits.

1. Holdings Times

All holding time criteria were met.

2. Calibrations

All calibrations were acceptable.

3. Blanks

A. Preparation Blanks

The concentrations of calcium and sodium in the preparation blanks were above the instrument detection limits (IDL) but less than the contract required detection limits (CRDL). Sample results greater than the IDL but less than five times the amount in any blank should be qualified as undetected (U).

B. All other blank results were acceptable.

4. ICS

Interference check sample criteria were met.

5. LCS

All laboratory control sample results were acceptable.

6. Duplicate Analysis

All duplicate results met technical quality control criteria.

7. Matrix Spike

All analytes had acceptable pre-digestion matrix spike recoveries.

8. MSA

Not applicable.

9. Serial Dilutions

All serial dilution results met quality control criteria.

10. Sample Verification

- A. The initial CRDL for magnesium on page 14, should be 9.49 mg/L, not 9.68 mg/L (page 56).
- B. The calcium serial dilution results should be 61.86 mg/L (I) and 62.08 mg/L (S), not 123.71 mg/L (I) and 124.15 mg/L (S). The dilution factor should not be used when reporting serial dilutions.

11. Other QC

The alkalinity results are qualified as estimated (J) because the raw data was not submitted.

12. Overall Assessment

The data package is provisional because blank concentrations were above the instrument detection limit. All other technical requirements were met.

**Contract Laboratory Program
REGIONAL/LABORATORY COMMUNICATION SYSTEM**

FAX Record Log

Date of FAX: March 24, 1992
Laboratory Name: Keystone/NEA
Lab Contact: Jeffery Sprenger
Region: 6
Regional Contact: Youree Holloway (ESAT)
Fax Initiated by: Region

In reference to data for the following sample numbers:

SF1306, SF1307, SF1309, SF1315, SF1316, SF1317, SF1318, SF1319

Summary of Questions/Issues Discussed:

- A. The initial CRDL for magnesium on page 14, should be 9.49 mg/L, not 9.68 mg/L (page 56).
- B. The calcium serial dilution results should be 61.86 mg/L (I) and 62.08 mg/L (S), not 123.71 mg/L (I) and 124.15 mg/L (S). The dilution factor should not be used when reporting serial dilutions. Refer to ILM01.0, B-33.
- C. Custody seals should placed on all data package deliverables.
- D. The following are items we discussed on the telephone:
 - 1. All original raw data, including chromatograms, charts, and instrument printouts, should be submitted with the data package. Refer to ILM01.0, B-9.
 - 2. The SAS request should be submitted with the data package. Refer to SAS request.
 - 3. Sample results on Form I's should be reported to three significant figures if the value is greater than 10 ug/L. Refer to ILM01.0, B-8.

4. Volume of samples used for alkalinity and fluoride is not given in data. Example calculations should be shown.

Summary of Resolutions:

The EPA expects the laboratory to look into items and submit data within ten working days to: U.S. EPA, 10625 Fallstone Road, Houston TX 77099.

Yancey L. Holloway 3/24/92
Signature Date

Distribution: (1) Lab Copy, (2) Region Copy, (3) SMO Copy

Mantech Environmental Technology
ESAT Region 6

c/o US EPA 10625 Fallstone Rd, Houston, TX 77099 EL: (713) 983-2135

FACSIMILE COVER SHEET

Please deliver the following pages to:

Name Jeffery Sprenger

Firm Keystone/NEA

City Tigard **State** OR

Telephone (503) 624-2773 **Ext.** _____

Fax Telephone No. (503) 624-2653 **Ext.** _____

Sender:

Name Youree Holloway

Date March 24, 1992 **Time** _____

Total Number of pages including this Cover Sheet 3

**If you do not receive all the pages or if any pages are unclear,
please call: (713) 983-2135**

Messages: _____

Fax Model No. Panafax UF-620 **Fax No.** (713) 983-2248

INORGANIC/ORGANIC COMPLETE SDG FILE (CSF) INVENTORY CHECKLIST

Case	SF1306	SDG No.		SDG Nos. To Follow		SAS No.	6970-F	Date Rec	3/3/92
EPA Lab ID:	NEA				ORIGINALS		YES	NO	N/A
Lab Location:	Tigard				CUSTODY SEALS				
Region:	6	Audit No.:	YLH640		1. Present on package?				
Re_Submitted CSF?	Yes	No	X		2. Intact upon receipt?				
Box No(s):	1				FORM DC-2				
COMMENTS: <u>Lab will be contacted.</u>					3. Numbering scheme accurate?				
					4. Are enclosed documents listed?				
					5. Are listed documents enclosed?				
					FORM DC-1				
					6. Present?				
					7. Complete?				
					8. Accurate?				
					CHAIN-OF-CUSTODY RECORD(s)				
					9. Signed?				
					10. Dated?				
TRAFFIC REPORT(s) PACKING LIST(s)					11. Signed?				
					12. Dated?				
AIRBILLS/AIRBILL STICKER					13. Present?				
					14. Signed?				
					15. Dated?				
SAMPLE TAGS					16. Does DC-1 list tags as being included?				
					17. Present?				
OTHER DOCUMENTS					18. Complete?				
					19. Legible?				
					20. Original?				
					20a. If "No", does the copy indicate where original documents are located?				
Over for additional comments.									

Audited by: Yancey L. Holloway
Audited by: _____
Audited by: _____

YOU'REE HOLLOWAY/DATA REVIEWER

Date **3/24/92**

Date _____

Date _____

Signature

Printed Name/Title

TO BE COMPLETED BY CEAT	
Date Recvd by CEAT: _____	Date Entered: _____ Date Reviewed: _____
Entered by: _____	_____
Reviewed by: _____	_____
Signature	Printed Name/Title

DC-2